

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1213	73/304C.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 15:41
L2	2517	73/290R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:19
L4	50	2 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:20
L5	172	1 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 15:41
L6	37	4 and (circuit or controller or CPU or microcontroller or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:23
L7	151	5 and (circuit or controller or CPU or microcontroller or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:36
L8	18	6 and resistance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:23
L9	71	7 and resistance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:23

## EAST Search History

L10	8	8 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:24
L11	33	9 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:32
L12	1	10 and consumption	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:41
L13	6	11 and consumption	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:35
L14	2364	((fluid or liquid or water or fuel or material or substance) near4 (added or consumed)) and (container or tank or vessel or pitcher) and (electrode near4 pair) and resistance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:43
L15	1644	14 and (circuit or controller or CPU or microcontroller or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:37
L16	297	((fluid or liquid or water or fuel or material or substance) near4 (added or consumed)) and (container or tank or vessel or pitcher) and (electrode near4 pair) and switch and (\$4functional)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:37
L17	261	16 and (circuit or controller or CPU or microcontroller or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 15:41

## EAST Search History

L18	171	17 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:39
L19	75	18 and consumption	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:41
L20	341	(filtered near4 water) and filter and (container or tank or pitcher) and (functional or operational or working) and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:44
L21	12	20 and (added or consumed) and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 15:41
L22	199	(filtered near4 water) and filter and (container or tank or pitcher)and (circuit or controller or CPU or microcontroller or microprocessor)and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:45
L23	176	22 and (added or consumed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:45
L24	1220	73/304R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 15:41
L25	127	24 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 15:41

## EAST Search History

L26	118	25 and (circuit or controller or CPU or microcontroller or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 15:41
L27	31	26 and (added or consumed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 15:42
S1	1195	73/304C.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:19
S2	2474	73/290R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:19
S3	166	S1 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:33
S4	48	S2 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:20
S5	22	S3 and ((control near4 unit) or controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 18:24
S6	4	S4 and ((control near4 unit) or controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:04

## EAST Search History

S7	19	S5 and circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:01
S8	3	S6 and circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:22
S9	2	S8 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:24
S10	14	S7 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 17:58
S11	0	S9 and (functional or nonfunctional)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 17:44
S12	3	S10 and (functional or nonfunctional)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 17:58
S13	1151	(filter\$2 near4 water) and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 17:57
S14	305	S13 and ((control near4 unit) or controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:11

## EAST Search History

S15	215	S14 and circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 17:58
S16	112	S15 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:03
S17	44	S16 and (functional or nonfunctional)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 17:58
S18	5	S7 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:02
S19	2	S8 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:03
S20	2	S9 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:03
S21	5	S10 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:03
S22	1191	73/304R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:05

## EAST Search History

S23	116	S22 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:05
S24	25	S23 and ((control near4 unit) or controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:05
S25	21	S24 and circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 18:06
S26	17	S25 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 18:23
S27	1244	(filtered near4 water) and filter and switch and (functional or operational or working)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 18:29
S28	301	S27 and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 18:29
S29	128	S28 and ((control near4 unit) or controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 18:29
S30	85	S29 and circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 18:30

## EAST Search History

S31	6	S30 and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:03
S32	319	(filtered near4 water) and filter and (container or tank or pitcher) and (functional or operational or working) and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 18:59
S33	85	S32 and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 18:29
S34	20	S33 and ((control near4 unit) or controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 18:29
S35	7	S34 and circuit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 18:30
S36	319	(filtered near4 water) and filter and (container or tank or pitcher) and (functional or operational or working) and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:44
S37	94	S36 and consumption	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 20:35
S38	4	S37 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/26 20:10



## EAST Search History

S39	0	"6962079".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 20:38
S40	169	hopper and filter and (water near (pitcher or container))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 20:39
S41	2	hopper and filter and (water near pitcher)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/27 20:39
S42	10	("0444013"   "4298475"   "4623457"   "4969996"   "5049272"   "5190643"   "5637214"   "5964909"   "6103114").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/28 11:31
S43	328	(filtered near4 water) and filter and (container or tank or pitcher) and (functional or operational or working) and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/14 14:42
S44	9	S43 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 12:57
S45	3459	(filtered near4 water) and filter and (container or tank or pitcher) and (bin or reservoir or hopper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 12:57
S46	125	S45 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/02 12:57
S47	37	("4623457").URPN.	USPAT	OR	ON	2006/02/02 13:38
S48	9	("5637214").URPN.	USPAT	OR	ON	2006/02/02 13:46
S49	1	"6214239".pn.	USPAT	OR	ON	2006/02/02 13:46

## EAST Search History

S50	8	("6103114").URPN.	USPAT	OR	ON	2006/02/02 13:46
S51	1323	73/861.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 17:06
S52	424	73/861.08.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 17:06
S53	161	73/861.78.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 17:06
S54	482	73/861.79.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 17:06
S55	23254	(water near4 filter) and (status or function)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 17:12
S56	62440	(detection near4 sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 17:13
S57	86782	(detection near4 circuit)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 17:13
S58	10218	S56 and S57	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 17:13
S59	6528	S58 and (controller or CPU or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 16:19
S60	6372	S59 and (added or consumed or used or poured or emptied)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 17:33
S61	67	S60 and S55	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 18:06

## EAST Search History

S62	329	(filtered near4 water) and filter and (container or tank or pitcher) and (functional or operational or working) and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 18:07
S63	127	(filtered near4 water) and filter and (container or tank or pitcher) and (display or indicator or LCD or readout) and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:54
S64	44	S63 and (useage or consumption)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:47
S65	50	S63 and (usage or consumption)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:54
S66	1811	brita	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:41
S67	0	S63 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:01
S68	1	(filtered near4 water) and filter and (container or tank or pitcher) and hopper and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:44
S69	2432	clorox	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:44

## EAST Search History

S70	0	(filtered near4 water) and filter and (container or tank or pitcher) and hopper and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:44
S71	130	(filtered near4 water) and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:44
S72	40	(filtered near4 water) and filter and (container or tank or pitcher) and S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:45
S73	22	S72 and (usage or consumption)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:45
S74	14	S73 and (display or indicator or LCD or readout)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:45
S75	308	(water near4 filter) and (container or tank or pitcher) and (display or indicator or LCD or readout) and (filter near4 change)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:54
S76	133	S75 and (usage or consumption)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:01
S77	75	S76 and (controller or CPU or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 19:56
S78	10	S75 and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:01

## EAST Search History

S79	94	S75 and (useage or consumption)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:01
S81	234	S75 and (useage or consumption or consumed or added)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:11
S82	245	S75 and (usage or consumption or consumed or added)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:07
S83	228	S81 and ((volum\$5 or amount) and (time or period))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:12
S84	238	S82 and ((volum\$5 or amount) and (time or period))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 20:12
S85	38	("0483951"   "0669347"   "0803029"   "1924468"   "2638581"   "3013431"   "3834230"   "4116371"   "4183450"   "4196081"   "4431533"   "4496906"   "4741697"   "4779456"   "4806912"   "4895648"   "4986901"   "4998228"   "5076912"   "5190643"   "5296148"   "5328597"   "5457665"   "5458766"   "5536394"   "5536395"   "5785844"   "5882507"   "D363760"   "D386041"   "D390629"   "D406536").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 18:40

# EAST Search History

S86	428	("0329064"   "0535817"   "0606804"   "1508056"   "1934159"   "20010037970"   "20010040121"   "20010054583"   "20020005379"   "20020134714"   "20030010721"   "2019319"   "2280033"   "2407190"   "2473986"   "2499494"   "2582885"   "2711994"   "2721089"   "2736435"   "2774584"   "2781312"   "2792942"   "2886180"   "3002384"   "3071003"   "3080972"   "3144878"   "3160008"   "3250397"   "3263812"   "3266628"   "3327859"   "3331509"   "3366143"   "3408295"   "3439809"   "3450632"   "3462363"   "3474600"   "3486622"   "3493496"   "3504796"   "3520417"   "3522882"   "3540030"   "3540594"   "3556304"   "3585596"   "3595399"   "3656626"   "3664506"   "3688911"   "3693632"   "3697055"   "3724665"   "3726793"   "3741394"   "3746168"   "3746174"   "3746640"   "3747767"   "3772189"   "3785497"   "3794172"   "3794173"   "3799352"   "3802563"   "3827636"   "3831757"   "3853761"   "3866469"   "3872013"   "3879292"   "3887463"   "3923665"   "3950251"   "3950253"   "3951812"   "3959146"   "3967638"   "4021343"   "4024991"   "4036755"   "4059520"   "4059528"   "4061573"   "4065392"   "4066551"   "4072615"   "4077883"   "4107046"   "4111813"   "4121199"   "4145291"   "4147631"   "4151092"   "4154586"   "4162979"   "4172796"   "4173549"   "4176063"   "4190542"   "4195522"   "4198296"   "4199982"   "4212743"   "4214993"   "4218317"   "4224826"   "4225443"   "4238477"   "4253341"   "4261863"   "4265127"   "4265760"   "4271015"   "4272368"   "4275194"   "4280906"   "4283283"   "4298025"   "4301010").PN. OR ("4303521"   "4306971"   "4310828"   "4321461"   "4358376"   "4361050"   "4367149"   "4378293"   "4389311"   "4391712"   "4404860"   "4406291"   "4419235"   "4419236"   "4431533"   "4431717"   "4436623"   "4456222"   "4457843"   "4459269"   "4467767"   "4464761"   "4483760"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 18:55
-----	-----	---	------------------------------	----	----	------------------

## EAST Search History

S87	1	"6284129".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 18:56
S88	1	S87 and ((time or period) and volum\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 19:02
S89	0	(filtered near4 water) and filter and (container or tank or pitcher) and S88	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:01
S90	0	S88 and (container or tank or pitcher)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:00
S91	0	S88 and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:00
S92	1892	(filtered near4 water) and filter and (container or tank or pitcher) and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:01
S93	1506	S92 and ((time or period) and volum\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 19:02
S94	1774	S92 and ((time or period) and (amount or volum\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 19:02
S95	671	S94 and (controller or computer or microcontroller or CPU)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/10 19:02
S96	156	S95 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:31

## EAST Search History

S97	46	S96 and switch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:04
S98	4	S97 and hopper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 19:03
S99	112	S96 and (water near4 (level or amount))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 10:47
S10 0	5167	(water near4 filter) and electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:41
S10 1	35572	(water near4 filter) and (volume or consumption)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:10
S10 2	3330	S100 and S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:10
S10 3	478	S102 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:25
S10 4	211	S103 and ((control near4 unit) or controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 11:42



## EAST Search History

S10 5	247	S103 and ((control near4 (circuit or unit)) or controller or cpu or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:44
S10 6	185	S105 and filter and (container or tank or pitcher)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:25
S10 7	16	S106 and ((level or volume) near4 sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 12:30
S10 8	61	("1217643"   "1862663"   "2468357"   "2864750"   "3095365"   "3523891"   "3654119"   "3728245"   "3819504"   "3865710"   "3925176"   "3943044"   "4017375"   "4061556"   "4107021"   "4119517"   "4119520"   "4132620"   "4160716"   "4180445"   "4312736"   "4385973"   "4419206"   "4425216"   "4436601"   "4451341"   "4481096"   "4528083"   "4572775"   "4623436"   "4639303"   "4761208"   "4781805"   "4783246"   "4784735"   "4790914"   "4797182"   "4839007"   "4917782"   "4936979"   "5062940"   "5100502"   "5292412"   "5324398"   "5328584"   "5389214"   "5427667"   "5460702"   "5728287"   "5759384"   "5876757"   "5911870"   "5928503").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/13 12:58
S10 9	1930	(water near4 filter) and ((level or volume) near4 sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:17
S11 0	1241	S109 and ((control near4 (circuit or unit)) or controller or cpu or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:21

## EAST Search History

S11 1	915	S110 and filter and (container or tank or pitcher)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:25
S11 2	34	S111 and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:35
S11 3	3	water and pitcher and (fill near4 level) and (electrode near4 pair) and (consumption or volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:36
S11 4	3281	(water near4 filter) and electrode and (volume or (amount near4 (used or consumed)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 13:42
S11 5	1097	S114 and ((control near4 (circuit or unit)) or controller or cpu or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:35
S11 6	3281	(water near4 filter) and electrode and (volume or (amount near4 (used or consumed)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:35
S11 7	1097	S116 and ((control near4 (circuit or unit)) or controller or cpu or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:35
S11 8	889	S117 and (added or consumed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:45

## EAST Search History

S11 9	152	S118 and (filt\$4 near4 (amount or volume))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 15:47
S12 0	55	("5328597").URPN.	USPAT	OR	ON	2006/03/13 15:54
S12 1	22	("4306971"   "4431533"   "4436223"   "4469602"   "4623451"   "4623457"   "4681677"   "4683054"   "4711368"   "4814090"   "4830757"   "4845470"   "4849098"   "4851818"   "4895648"   "4918426"   "4964155"   "4986901"   "5089144"   "5128034"   "5190643"   "5255819").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/13 15:55
S12 2	34	("4436223").URPN.	USPAT	OR	ON	2006/03/13 17:33
S12 3	3281	(water near4 filter) and electrode and (volume or (amount near4 (used or consumed)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:33
S12 4	1097	S123 and ((control near4 (circuit or unit)) or controller or cpu or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:33
S12 5	889	S124 and (added or consumed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:33
S12 6	152	S125 and (filt\$4 near4 (amount or volume))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/13 17:33
S12 7	85	S126 and (resistance or capacitance or voltage or current)	USPAT	OR	ON	2006/03/13 17:49
S12 8	19	bubble near4 (level near4 switch)	USPAT	OR	ON	2006/03/14 11:32
S12 9	1	S128 and electrode	USPAT	OR	ON	2006/03/13 17:50

## EAST Search History

S13 0	21	bubble near4 (sensor near4 electrode)	USPAT	OR	ON	2006/03/14 11:55
S13 1	19	bubble near4 (level near4 switch)	USPAT	OR	ON	2006/03/14 11:32
S13 2	0	S130 and S131	USPAT	OR	ON	2006/03/14 11:32
S13 3	3284	(water near4 filter) and electrode and (volume or (amount near4 (used or consumed)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:34
S13 4	1099	S133 and ((control near4 (circuit or unit)) or controller or cpu or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 11:55
S13 5	891	S134 and (added or consumed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 11:55
S13 6	152	S135 and (filt\$4 near4 (amount or volume))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 11:55
S13 7	22	S136 and display	USPAT	OR	ON	2006/03/14 11:57
S13 8	6293	(electrode near4 pair)and ((control near4 (circuit or unit)) or controller or cpu or microcontroller or processor or microprocessor) and (container or tank or pitcher)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:46
S13 9	250	(water near4 filter) and S138	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:46
S14 0	25	S139 and (detection near4 sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:35

## EAST Search History

S14 1	1204	73/304C.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:45
S14 2	2498	73/290R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:45
S14 3	63	S138 and S141	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:46
S14 4	15	S138 and S142	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:46
S14 5	1	(water near4 filter) and S143	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:46
S14 6	0	(water near4 filter) and S144	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:46
S14 7	21	S143 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:47
S14 8	7	S144 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 13:48
S14 9	1	"4623451".PN.	USPAT; USOCR	OR	ON	2006/03/15 16:13

## EAST Search History

S15 0	9529	water and (container or tank or pitcher) and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:44
S15 1	1219	S150 and (water near4 (level or height or detection))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:18
S15 2	381	S151 and (controller or CPU or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 16:45
S15 3	1204	73/304C.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:42
S15 4	1208	73/304R.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 16:42
S15 5	54	S153 and S150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 17:09
S15 6	37	S154 and S150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 17:10
S15 7	31	S155 and (controller or CPU or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 16:45
S15 8	15	S156 and (controller or CPU or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 16:54
S16 0	9	("4003259"   "4589077"   "4601201"   "4611489"   "4716536"   "5103368"   "5406843"   "5423214"   "5613399").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 17:55

## EAST Search History

S16 1	9529	water and (container or tank or pitcher) and (electrode near4 pair)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 19:30
S16 2	1219	S161 and (water near4 (level or height or detection))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 19:30
S16 3	381	S162 and (controller or CPU or microcontroller or processor or microprocessor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 19:30
S16 4	363	S163 and (resistance or capacitance or voltage or current)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/15 19:31